

Approved For Release 2005/04/21 : CIA-RDP75B00285R000200070022-8

Copy 10 of 11

26 February 1970

**SUBJECT: Trip Report on Visit to Los Angeles and Edwards
AFB, California, 10 - 16 February 1970**

10 - 12 Feb 70.

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Hughes Aircraft Co.
Headquarters - OSP
NRO

NPIC

Westover AFB

Space and Missiles Sys Orgn

Col. Ken Duncan
Mr. Pat Moran
Maj. Berginini
Maj. Dan Hutchisen

Eastman Kodak

b. 13 Feb 70.

Det "G" (Ops)

Hughes Aircraft Co.

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GROUP 1
Excluded from automatic
downgrading and
downgrading

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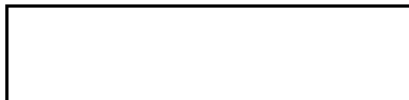
c. 16 Feb 70.

Det "G"

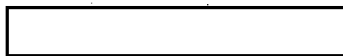


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2. Resume of Business Transacted (10 - 12 Feb 70).

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a. Stopped by [redacted] where introduction to [redacted] was accomplished. I indicated to him that in all probability I would require no assistance during my visit; however, a possibility existed that I might obtain classified material or require dispatch of message traffic. [redacted] indicated that he would be happy to store classified material for me should the need arise. He also briefly outlined the courier service available and the timing of pouches to Project Headquarters.

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b. During preliminary discussions it was learned that [redacted] had briefed Mr. Carl Duckett on the Color Task Force on 9 Feb 70. I felt that the briefing would be valuable to OSA and approached [redacted] with a request to present the same briefing to members of OSA. He agreed that this would be worthwhile, and that a briefing would be presented as soon as feasible.

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c. As a result of the above mentioned briefing, Mr. Duckett has approved the purchase of an Achromatic Lens for the Delta III camera at an approximate cost of [redacted]. This decision, of course, will probably have an impact on the Red Dot missions flown for the Color Task Force, i.e., number of flights, length of program, target coverage, priorities, etc.

d. The next meeting of the Contract Control Board (CCB) will be during the week of 11 May 70 at Rochester, N.Y. An OSA representative will not normally be invited to attend unless there are items on the agenda which will affect us.

e. The CCB determined that for long range color production the present facilities are extremely limited. A new color processing center will probably have to be developed. Preliminary indications are that a [redacted] building will be required. Cost estimates for this new center run approximately \$80 to \$90 per square foot. In the interim, the board approved the expenditure of funds to make moderate improvements to the existing Eastman Kodak color processing facility.

f. Due to the present lack of guidance, advertising, classification of photos, etc., the Intelligence Community is not fully benefiting from the Red Dot material. Once the film has been analyzed, it goes into storage. [redacted] has been appointed head of a group to prepare an exploitation plan for total community usage of Red Dot material.

g. During the Eastman Kodak presentation on resolution, recognition and color, it became readily apparent that color provided much more information than black and white photography. It was evident to me that color coverage of specific targets will eventually become a COMIREX requirement. However, during the ensuing discussion it was once again reiterated that OSA does not generate requirements, but merely supports requirements once they have been delineated and delegated.

h. The Chairman of the COMIREX has requested that he be furnished information on cost of color versus black and white photography - in material, manpower and facilities. A study is presently underway and, upon completion, will be furnished to the chairman.

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25X1 i. [] CIA member of COMIREX, has requested that the color briefing be presented to the USIB, Imagery Exploitation Sub-Committee (EXSUBCOM) and the President's Foreign Intelligence Advisory Board (PFIAB). These briefings will be held in the near future.

j. I asked the NPIC representative to furnish OSA with two briefing boards showing representative Red Dot color photography. These briefing aids will be completed in the near future.

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25X1 k. The Red Dot target list was discussed. Several members were surprised to hear that neither OSA nor [] had the total target list. The initial Red Dot target list was hurriedly selected to give the Read-Out Community experience with some comparative color photography prior to receiving mission photography []

25X1 [] However, after initial examination a more clearly defined need was established and the present target list evolved. Another point that was established was that the targets covered by Red Dot color photography required ground truths. One of the major problems also encountered is that of the status of the current Red Dot target list. There is necessarily a built in delay from the time that a mission is flown until the time the product can be analyzed and, at the present time, no one knows precisely the coverage status of the Red Dot target list. [] NPIC, 25X1 has been relegated the task of providing OSA with the basic target list as well as determining the current status of satisfactory coverage of targets on that list.

25X1 l. There is a present need and rapidly growing demand within the Intelligence Community for color coverage of many diverse types of installations in the United States. This community need is also to be evaluated by the [] Committee and after requirements are determined they will be forwarded through appropriate channels. 25X1

m. Present informal telephone communications between Red Dot customers and individuals at [] are no longer authorized. In order to permit OSA to deliver a more definitive and effective product, all communications must be channeled through Project Headquarters. The establishment of a single control point will assist in the operation of the overall program and should produce efficient procedures and a more effective product. This was thoroughly discussed and all concerned parties felt that a much smoother operation would evolve using this method. IDEALIST will be the control point.

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o. [] NRO, has been delegated the responsibility for determining satisfactory target coverage. After receiving inputs from Eastman Kodak, NPIC and target analysts. In addition, he has been tasked to furnish OSA the priorities of the various targets programmed for color coverage in the Red Dot target list.

p. Acceptable climatic conditions were discussed, and it was agreed that at least 75% of the targets scheduled to be covered on any given Red Dot mission would have to be free from cloud and snow cover. This will place added emphasis on the role of the [] weather forecaster; however, knowledge of the total target list should allow added flexibility and permit the selection of flight lines into good weather areas. This 75% figure may have to be revised as experience is gained.

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q. More definitive guidelines on the required solar angles, flight line directions, etc., and technical details such as aperture, slit width and velocity settings will be furnished by Eastman Kodak to Project Headquarters by message.

r. Present Red Dot missions flown for the Color Task Force are scheduled on a non-priority basis. Eastman Kodak would like for us to explore the possibility of scheduling in advance a window (time frame) when activity is light so that several missions can be accomplished during a given time frame. This approach is presently undergoing evaluation.

s. Eastman Kodak has requested that they be allowed to continue the normal practice of utilizing a package monitor (usually [] at Edwards AFB for each Red Dot mission. [] personnel do not object to this.

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25X1 t. Eastman Kodak broached the subject of running some Red Dot tests using their British made Vinton Cameras. I indicated that [] would have to be queried to determine the compatibility of the Vinton configuration with the U-2C plus hatch availability. (This subject will be explored more fully during discussions with [] personnel.) The purpose of these proposed manufacturer's tests, is to determine camera scale simulations and settings and film comparisons. In addition to the above, they would like to schedule, on a priority basis, one Red Dot flight every other month. (Both of these programs are normal Red Dot missions not directly connected with the Color Task Force Program.) I indicated to the [] representatives that they should prepare a test plan for both of the above mentioned projects emphasizing their test objectives and proposed plan of accomplishment and forward these plans through proper channels. 25X1

u. In order to reacquaint the individuals present with the purposes behind the Red Dot flights a presentation was given by [] the NRO representative, in which the following items were detailed: 25X1

(1) Manufacturer's tests - to prove technical details such as emulsion, film comparison, camera settings, etc.

(2) Support of the Read-Out Community - mensuration, resolution, new techniques, comparison photography.

(3) Set up data bases.

v. Copies of the following two reports were requested and will be forwarded to OSA and the Exploitation and Research and Development Sub-Committee (EXRAND) in the near future:

(1) Detection and Recognition Phenomena Associated With The Photographic Image.

(2) Viscous Developer Field Processor.

25X1 w. [] Eastman Kodak advised that [] are knowledgeable of the Red Dot Program and can also provide liaison with CORN Mobile Display. Their telephone number is 716-266-4241. 25X1

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x. It was agreed by all parties that there would be no further Red Dot missions in support of the Color Task Force until all the definitive guidelines mentioned above were furnished to OSA.

3. Items Discussed With Hughes Aircraft Company Representatives. (13 Feb 70).

a. I was welcomed most cordially and received a guided tour of the Hughes facility which supports both OSA and OSI computer programs.

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b. [redacted] OCS, had asked me to check on the status of the revised editions of [redacted]

These two manuals had just been completed and the copies for OCS were to be mailed the following week. I reviewed some of the basic information in the two new manuals and found them to be a great improvement over the old editions.



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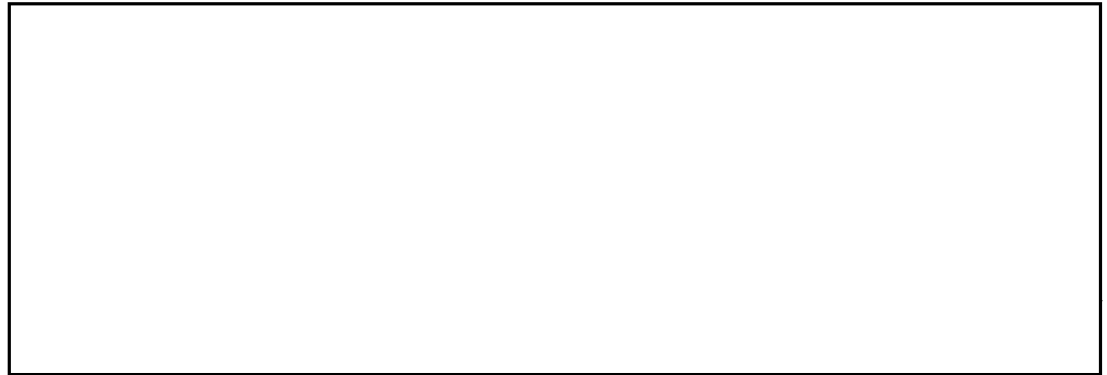
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4. Items Discussed at [redacted] (16 Feb 70).

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Contacted [redacted] to determine availability of operations personnel at [redacted] on Saturday, 14 Feb 70. He felt that appropriate personnel would not be available. Therefore, visit was delayed until Monday, 16 Feb 70.

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a. All of the Red Dot items listed in paragraph 2 above were discussed with [redacted] and subsequently with all the operations officers, flight planners, camera technicians and [redacted] Materiel.

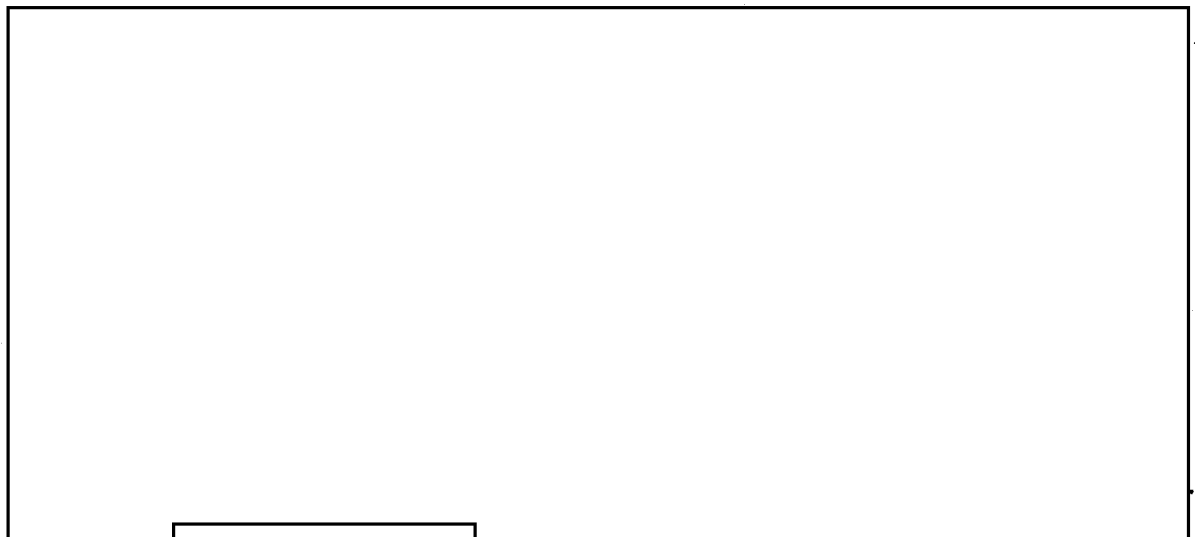
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b. [redacted] asked what guidelines he should use for shipping Red Dot film, i.e., what priority, volume, etc. I indicated that it was not of high enough priority to make small shipments, and that the film should be retained in cold storage until the volume warranted shipment.

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d. [redacted] conducted a tour of the camera facilities, cold storage area and hatch storage room. He gave a visual demonstration of the operation of the Delta III and Iris II cameras.

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e. Engaged in discussions with the operations staff relative to PHDs 50-10-2, 50-10-3 and 50-10-25. There were a number of recommendations made. Many were resolved on the spot and the remainder have been thoroughly discussed with the Chief, IDEALIST Division.

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g. In discussing camera storage, [] stated that we are presently flying the Delta III sufficiently to maintain it in an Operationally Ready status; however, he wished to reiterate that, should it go back into storage, or if another system was desired, we would have to give them 10 days notification.

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h. Determined that for the proposed Red Dot missions with the Vinton Camera, there were three A-2 hatches for U-2C available at [] Camera technicians reported that experience gained with this combination during the [] flights had shown that wiring problems were encountered on each flight. They recommended that these Vinton configured flights be coordinated with [] to help mate camera to aircraft. This information has been passed to [] He was also informed that he would be required to furnish cabling, film, test equipment, AGE, etc.

i. [] personnel were brought up to date on the status of proposed U. S. Geological Survey missions. There will be no flights accomplished until directions are received from Project Headquarters. This program has not been approved as USGS personnel are currently checking with other sources. I determined that if an A-1 camera is required, it would have to be borrowed from SAC; however, an A-1 hatch for the U-2C is available at [] If the A-1 is to be used, [] would require a FAC listing. They presently have a modified A-2 configuration and the necessary hatch if that camera is acceptable to the USGS.

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j. The forthcoming Blue Gull operation was discussed and [] stated that [] (INTEL/OSA) could be of great assistance due to his extensive carrier

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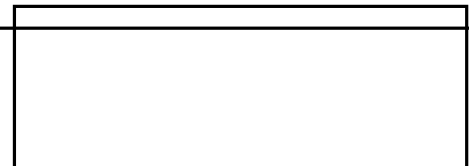
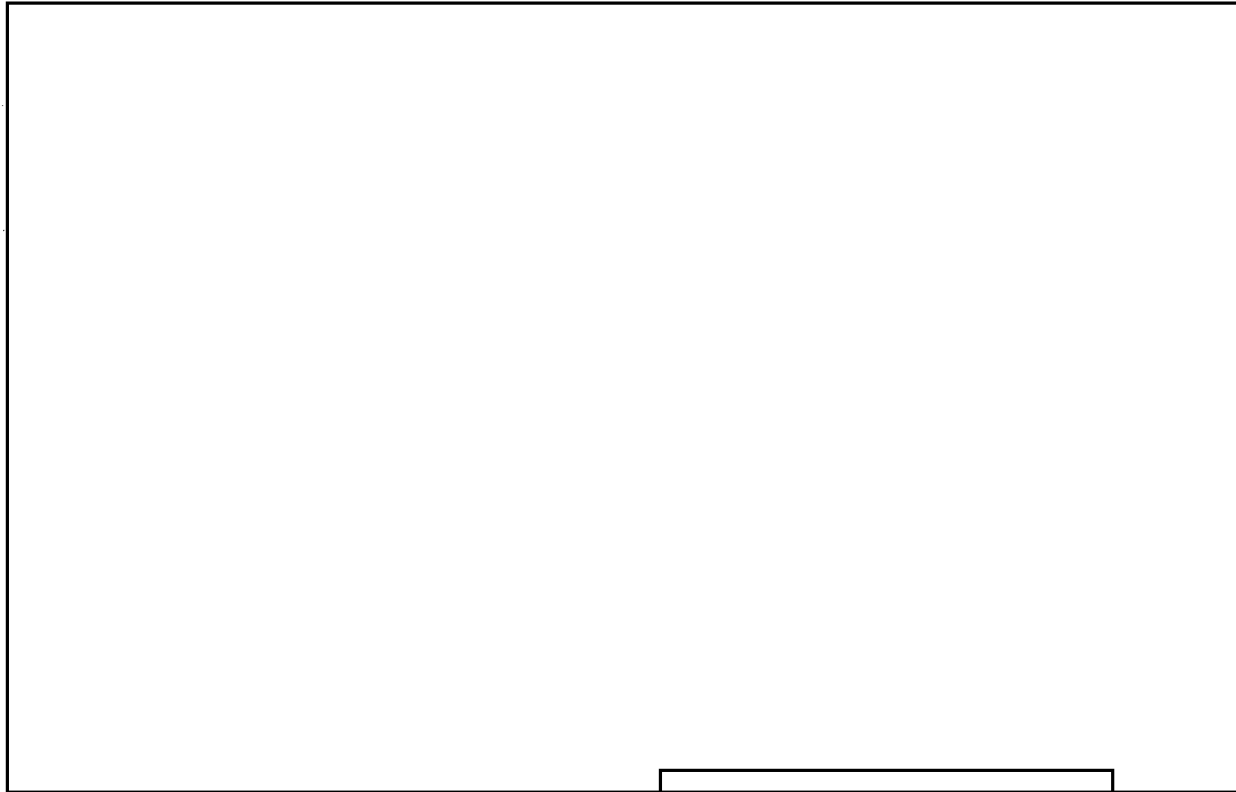
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experience. The time frame of mid-June to mid-July is ideal; however, the period 3 to 6 July would be very costly due to double and triple time payments to Lockheed personnel. Also the period that the carrier is in transit from Bremerton, Washington to San Diego, California would be unusable since a carrier on a change of home station transports dependents, Navy Yard civilians and automobiles.



IDEALIST Division

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NOTED:

[Redacted]

Chief, IDEALIST Division, OSA

27 February 1970
Date

[Redacted]

Deputy for Operations, OSA

2 Mar 70
Date

[Redacted]

Director for Special Activities

3 Mar 70
Date

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